



Nocio

by Arya Akhavan (April 2013)

Angles for R.I. = 1.620

43 + 9 girdles = 52 facets

3-fold, mirror-image symmetry

96 index

$L/W = 1.008$ $T/W = 0.333$ $U/W = 0.289$

$P/W = 0.497$ $C/W = 0.155$

$Vol./W^3 = 0.209$

PAVILION

P1	43.00°	06-10-22-26-38-42-54-58-70-74-86-90	Cut to centerpoint.
G1	90.00°	05-27-37-59-69-91	Set stone size.
P2	65.38°	05-27-37-59-69-91	Level girdle.
P3	71.96°	96-32-64	Meet P1, P2
G2	90.00°	96-32-64	Level girdle.

CROWN

C1	39.27°	96-32-64	Set girdle width.
C2	35.83°	05-27-37-59-69-91	Level girdle.
C3	24.90°	08-24-40-56-72-88	Meet G1, C2; C1, C2
C4	19.66°	16-48-80	Meet G1, C2, C3
C5	15.00°	96-32-64	Meet C1, C2, C3
T	0.00°	Table	Meet C3, C4, C5

I was in the mood to write trillions, and here's yet another one of the things I came up with. It's got a bit of a weird pavilion sequence, and the crown corners are a bit annoying to cut cleanly, but it performs very well.

Works in materials from quartz to sphene (RI = 1.54 - 1.88) with no changes, but I prefer tourmaline.

Suggested size = 6-10 mm

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